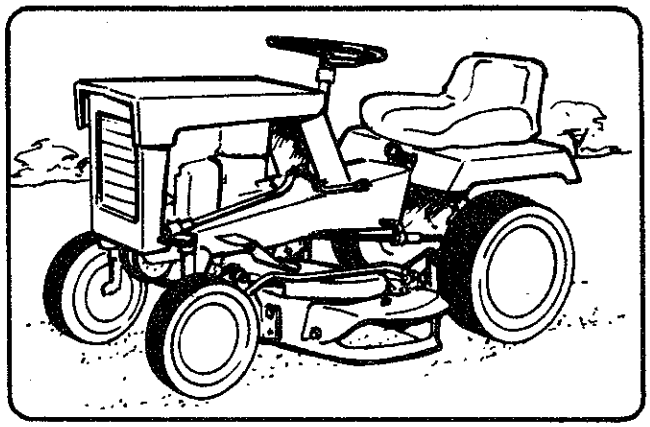
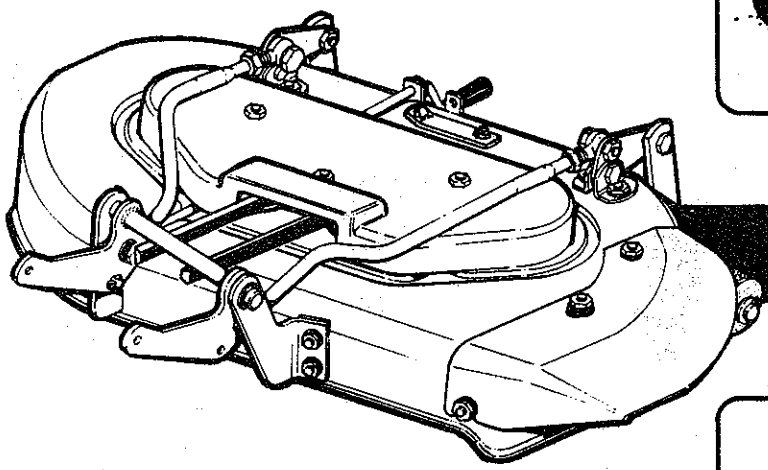
Simplicity®





Mfrs. No. 442

28" Rotary Mower

PACKING

The 28" Rotary Mower is delivered complete except for the addition of deflector in one carton or packed with the 515 SERF. The carton contains:

1 - Mower Assembly
1 - Deflector
1 - Bag of Hardware

Should any shortages of the above items occur, advise by stating the packers number listed on the green packing slip. State part number and description of items missing.

ASSEMBLY

Attach deflector over discharge opening using (3) carriage bolts, (3) plain washers, (3) lockwashers and (3) nuts supplied in bag of hardware. Check exploded view for proper arrangement.

ATTACHMENT

Attach mower hitch assembly to the tractor front axle using spring clips and pins provided.

LUBRICATION

The No. 442 Rotary Mower has ball bearings in the spindle housing and pulleys which are lifetime prelubricated and sealed, therefore, do not require further attention. Lubricate all pivot points and linkage with SAE-10 oil frequently.

BELTS

The drive belt is a super combine type constructed to our own specifications to insure proper mower operation and long life. When replacement is needed, do not substitute standard fractional horsepower belts. Use only Simplicity 108514 mower drive belt.

OPERATION

Release the transport hook or lift lever and place the mower on the ground. To operate the mower, move the power take-off lever to the "engage" position, making sure that the tractor engine is operating at a sufficient speed to take care of the additional load. Then as the mowing operation is started, regulate the mower speed as needed by means of the tractor throttle control lever.

To transport the mower over gravel drives, etc. disengage the power take-off, then raise the mower and support by means of the transport hook or lift lever.

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ADJUSTMENT

1. Position the mower under the tractor and attach the mower hitch arms to the rear holes of the tractor front hitch, using pins and spring clips. Figure 1. Mower should be on flat surface for adjustments.

2. Loosen the left hand front bracket "A" and the right hand rear bracket "B" (See Figure 1).

3. Remove the two shoulder bolts that hold adjusting arms (See Figure 1). Be sure all roller bracket linkage is free to slide in slotted holes.

4. Establish points 1 and 2 (See Figure 1). Rotate blades to point 1 and 2. Raise the mower using the height adjusting handle (See Figure 1) so that the blade tip at point 1 is 1/8" higher than point 2. When measuring this dimension, always rotate the blade so that all measurements are made using the same blade tip (i.e., after measuring the front tip, rotate the blade so that the rear measurement is made using the same blade tip).

5. Place a 1-1/2" block under each arbor spindle to insure that the mower maintains a level position. Be sure all roller bracket linkage is free to slide in slotted holes (that the rollers are not holding the mower up). Tighten the front bracket at "A" first, then tighten the rear bracket at "B".

6. Remove the 1-1/2" blocks. Repeat Step No. 4, then proceed to Step No. 7.

7. Replace the shoulder bolts. If the holes do not line up (without pressure) screw the eye bolt (See Figure 1) into or out of the adjusting arms as necessary.

8. After the initial running period, belt stretch may require repositioning of the idler pulleys. Remove the fastener holding the belt cover in place and remove the cover. Loosen the attaching hardware and move the pulleys to increase the tension on the belt. (Move both pulleys). Tighten previously loosened hardware and replace belt cover and fasteners. Belt guards should be positioned as shown in Figure 1. Belt guards **must not** touch the belt when PTO handle is in the "engaged" position.

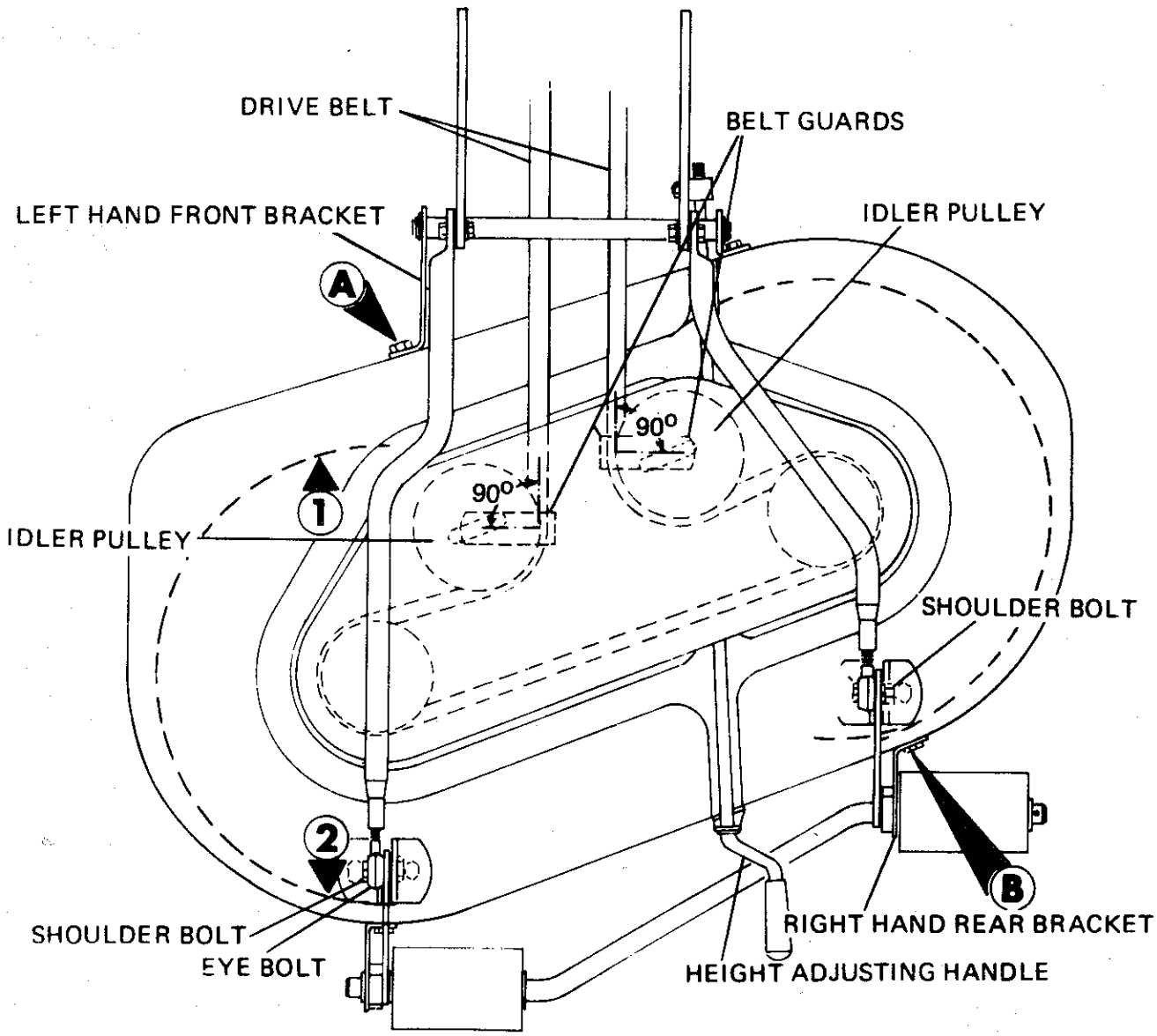

FIGURE 1

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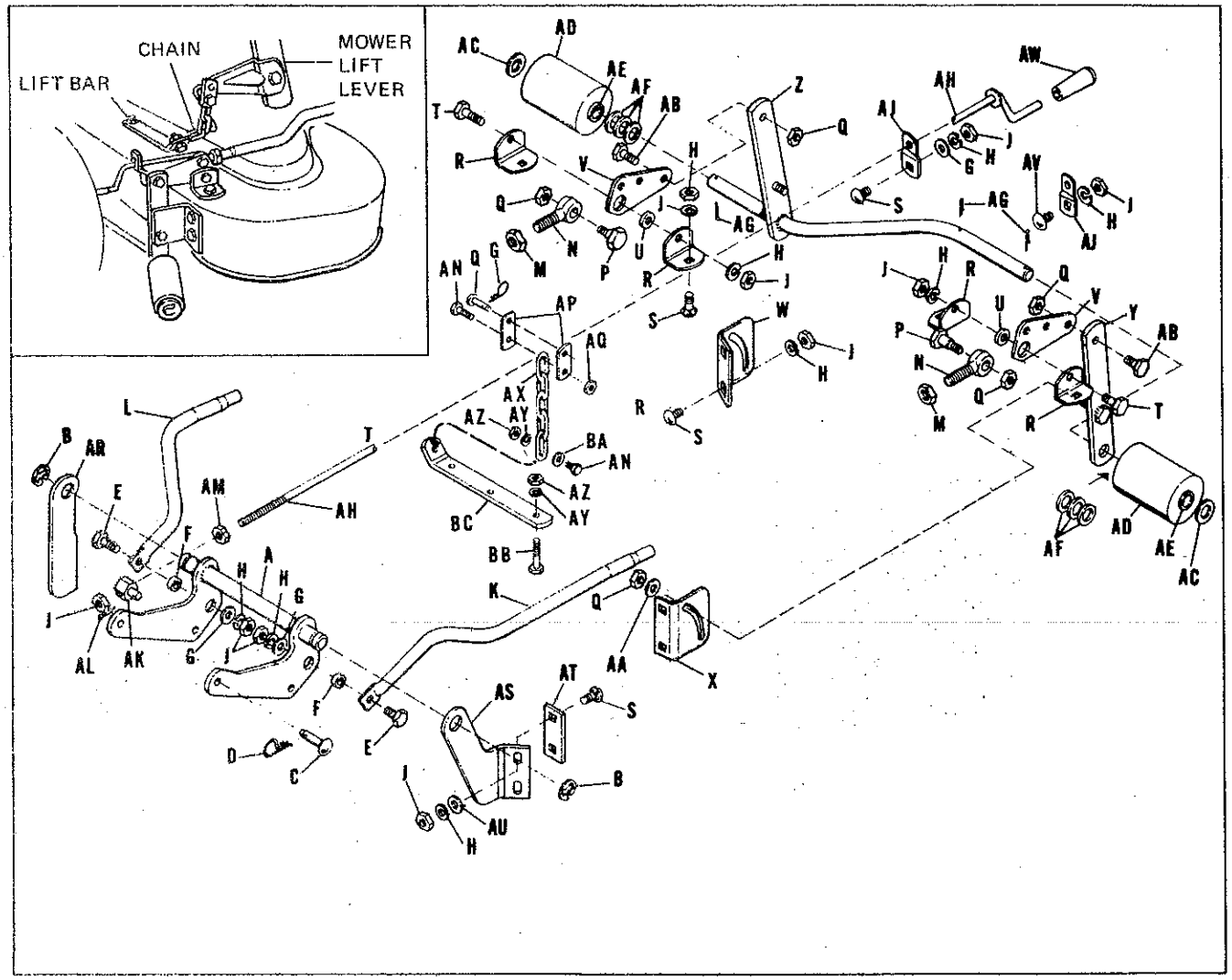
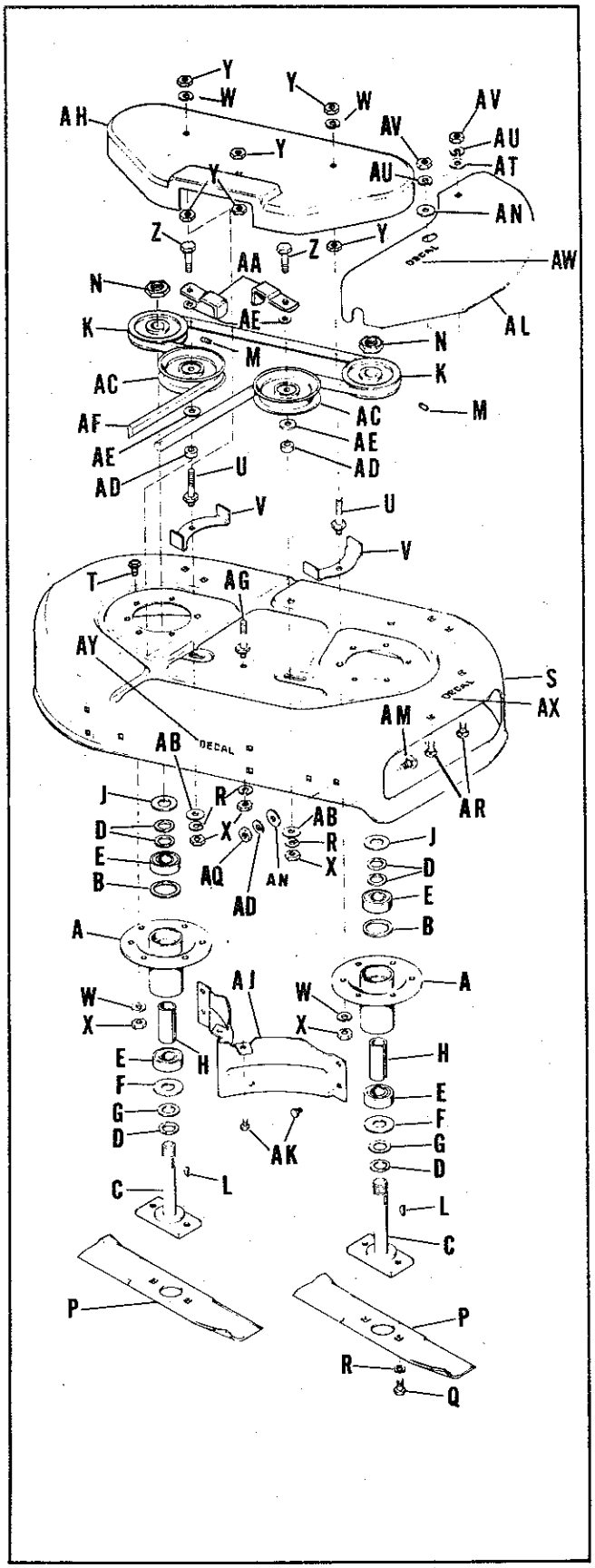


Ref. Let.	Part No.	Description
A	108552	Mower Hitch Assembly
B	157286	Retaining Ring
C	156306	Pin
D	8161045	Spring Clip
E	705005	Capscrew, Hex, 3/8"-16 x 1" lg.
F	121349	Spacer
G	8161045	Spring Clip
H	720002	Lock Washer, 3/8"
J	717003	Nut, Hex, Full, 3/8"-16
K	108520	Left Hand Adj. Arm
L	108521	Right Hand Adj. Arm
M	717016	Nut, Hex, Jam, 1/2"-20
N	157215	Eye Bolt
P	108412	Shoulder Bolt
Q	153058	Lock Pin
R	108513	Pivot Bracket
S	703004	Carriage Bolt, 3/8"-16 x 3/4" lg.
T	715005	Capscrew, Hex, 3/8"-16 x 1" lg.
U	108511	Spacer
V	108161	Rear Lever
W	108517	Right Hand Roller Bracket
X	108516	Left Hand Roller Bracket
Y	108256	Roller Bar Assembly
Z	108528	Roller Bar & Shaft Assembly
AA	719002	Washer, Plain, 5/16"

Ref. Let.	Part No.	Description
AB	705031	Capscrew, Hex, 3/8"-16 x 7/8" lg.
AC	116001	Washer
AD	108431	Roller Assembly
AE	108419	Bushing (Two per roller)
AF	8261055	Washer
AG	722011	Cotter Pin
AH	108526	Adj. Screw Assembly
AJ	108510	Screw Adj. Bracket
AK	108512	Pivot
AL	722011	Cotter Pin
AM	717013	Nut, Hex, Jam, 3/8"-16
AN	705005	Hex Capscrew, 3/8"-16 x 1" lg.
AP	108199	Mower Lift Link
AQ	717510	Hex Nut, Full Lock, 3/8"-16 lg.
AR	108519	Front Bracket, R.H.
AS	108518	Front Bracket, L.H.
AT	108509	Spacer Bar
AU	719002	Washer, Plain, 5/16"
AV	703004	Carriage Bolt, 3/8"-16 x 3/4" lg.
AW	108547	End Cap
AX	107031	Chain
AY	720002	Lock Washer, 3/8"
AZ	717003	Hex Nut, Full, 3/8"-16
BA	719001	Plain Washer, 3/8"
BB	705004	Hex Capscrew, 3/8"-16 x 3/4" lg.
BC	108375	Lift Bar (Use on No. 442 Mower Only)

Ref. Let.	Part No.	Description
A	108679	Arbor Tube Assembly
B	108134	Backing Ring
C	108250	Arbor Assembly
D	108181	Washer
E	108202	Radial Single Row Bearing
F	108257	Washer
G	108472	Washer
H	108201	Spacer
J	108139	Flinger
K	108142	Pulley
L	725006	Woodruff Key, // 61, 3/16" x 5/8" lg.
M	713504	Set Screw, Socket Head, 5/16"-18 x 3/8" lg.
N	717517	Lock Nut, Hex Jam, 3/4"-16
P	108298	Knife Blade
Q	715024	Capscrew, Hex, 3/8"-16 x 5/8" lg.
R	720002	Lock Washer, 3/8"
S	108482	Mower Housing
T	705004	Screw Hex. Cap, 3/8"-16 x 3/4" lg.
U	106771	Stud
V	108515	Belt Guide
W	720002	Lock Washer, 3/8"
X	717003	Nut, Hex, Full, 3/8"-16
Y	717510	Nut, Hex, Full, Lock, 3/8"-16
Z	705010	Capscrew, Hex, 3/8"-16 x 1-3/4" lg.
AA	106717	Belt Guide
AB	719002	Washer, Plain, 5/16"
AC	106716	Idler Pulley
AD	154177	Spacer
AE	719001	Washer, Plain, 3/8"
AF	108514	"V" Drive Belt
AG	108372	Stud
AH	108530	Housing Cover
AJ	108531	Baffle
AK	715067	Screw, Self Tapping, Hex. Hd., 1/4"-20 x 3/8" lg.
AL	108504	Deflector
AM	703004	Carriage Bolt, 3/8"-16 x 3/4" lg.
AN	8161199	Washer, Special
AP	720002	Lock Washer, 3/8"
AQ	717003	Nut, Hex, Full
AR	703005	Carriage Bolt, 5/16"-18 x 3/4" lg.
AS	702004	Bolt, Carriage, 3/8"-16 NC 1-1/4" lg.
AT	719002	Washer, Plain, 5/16"
AU	720002	Lock Washer, 3/8"
AV	717003	Nut, Hex, Full, 3/8"
AW	103031	Decal, Safety
AX	108507	Film, Safety
AY	155061	Decal, Simpicity
*	103005	Plate, Model No.
*	121195	Plate, Patent No.

* Not Illustrated



CAUTION

MOWER SHALL NOT BE USED WITHOUT EITHER VACUUM COLLECTOR ADAPTER OR THE THE DEFLECTOR ADAPTER IN PLACE.

IMPORTANT

USE ONLY SIMPLICITY REPLACMENT BELTS AND BLADES